

I hereby certify that this correspondence is being deposited with the  
United States Postal Service as first class mail in an envelope  
addressed to: Box Non-Fee Amendment, Assistant Commissioner for Patents,  
Washington, D.C. 20231 on June 30, 2000  
By: [Signature]  
Printed: Nancy L. Givon

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Jennifer L. Hillman, Surya K. Goli

Title: A NOVEL PROSTATE-ASSOCIATED KALLIKREIN

Serial No.: 09/170,980

Filed:

Herewith

Examiner: Y. Eyler

Group Art Unit:

1642

---

Commissioner for Patents  
Box Non-Fee Amendment  
Washington, D.C. 20231

**SUBSTITUTE SUBMISSION UNDER 37 CFR §1.821- 1.825 SEQUENCE LISTING**

Sir:

In accordance with the requirements of 37 CFR § 1.821-1.825, Applicants hereby submit one (1) substitute diskette containing the computer-readable information for the Substitute Sequence Listing of the above-identified application. The diskette complies with the requirements of 37 CFR § 1.824 and is IBM PC compatible using a UNIX operating system with PERL Program.

Enclosed is a paper copy of the Substitute Sequence Listing.

The content of the Substitute Sequence Listing paper copy is identical to the computer-readable copy, as required under 37 CFR § 1.821(f).

Respectfully submitted,

**INCYTE GENOMICS, INC.**

Date: 30 June 2000

[Signature]

Diana Hamlet-Cox, Ph.D.

Reg. No. 33,302

Direct Dial Telephone: (650) 845-4639

3160 Porter Drive  
Palo Alto, California, 94304  
Tel. No. 650-855-0555 Fax. No. 650-849-8886

## SEQUENCE LISTING

<110> Hillman, Jennifer L.  
Goli, Surya K.

<120> A NOVEL PROSTATE-ASSOCIATED KALLIKREIN

<130> PF-0195-1 DIV

<140> 09/170,980

<141> 1998-10-13

<150> 08/790,137

<151> 1997-01-29

<160> 4

<170> PERL Program

<210> 1

<211> 253

<212> PRT

<213> Homo sapiens

<220> -

<221> unsure

<222> 54, 55

<223> unknown, or other

<220>

<221> misc\_feature

<223> SEQ ID NO:1

<400> 1

Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr  
1 5 10 15  
Gly Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu  
20 25 30  
Cys Glu Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr Gln Lys  
35 40 45  
Thr Arg Leu Leu Cys Gly Ala Thr Xaa Xaa Ala Pro Arg Trp Phe  
50 55 60  
Leu Thr Ala Ala His Cys Leu Lys Pro Arg Tyr Ile Val His Leu  
65 70 75  
Gly Gln His Asn Leu Gln Lys Glu Glu Gly Cys Glu Gln Thr Arg  
80 85 90  
Thr Ala Thr Glu Ser Phe Pro His Pro Gly Phe Asn Asn Ser Leu  
95 100 105  
Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu Val Lys Met Ala  
110 115 120  
Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro Leu Thr Leu Ser  
125 130 135  
Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile Ser Gly Trp  
140 145 150  
Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr Leu Arg  
155 160 165  
Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn Ala  
170 175 180  
Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln  
185 190 195  
Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu  
200 205 210  
Val Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp  
215 220 225  
Pro Cys Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys  
230 235 240

Lys Tyr Val Asp Trp Ile Gln Glu Thr Met Lys Asn Asn  
245 250

<210> 2  
<211> 833  
<212> DNA  
<213> Homo sapiens

<220> -  
<221> misc\_feature  
<223> SEQ ID NO:2

<400> 2  
gctggcccct ggacacctct gtcaccatgt ggttcctggt tctgtgcctc gccctgtccc 60  
tggggggggac tgggtgctgcg cccccgattc agtcccggat tgtgggaggc tgggagtgtg 120  
agcagcattc ccagccctgg caggcggctc tgtaccagaa gacgcggcta ctctgtgggg 180  
cgacgntcat ngccccaga tggttcctga cagcagccca ctgcctnaag ccccgtaca 240  
tagttcacct ggggcagcac aactctccaga aggaggagg ctgtgagcag acccgacag 300  
ccactgagtc cttccccccac cccggttca acaacagcct cccaacaaa gaccaccgca 360  
atgacatcat gctggtgaag atgcatcgc cagtctccat cactgggct gtgcgacccc 420  
tcacctctc ctcacgctgt gtcactgctg gcaccagctg cctcatttcc ggctggggca 480  
gcacgtccag cccccagtta cgctgcctc acaccttgcg atgcgccaac atcaccatca 540  
ttgagcacca gaagtgtgag aacgctacc cgggcaacat cacagacacc atggtgtgtg 600  
ccagcgtgca ggaagggggc aaggactcct gccagggtga ctccgggggc cctctggtct 660  
gtaaccagtc tcttcaaggc attatctcct ggggccagga tccgtgtgag atcaccgaa 720  
agcctggtgt ctacacgaaa gtctgcaaat atgtggactg gatccaggag acgatgaaga 780  
acaattagac tggacntcac ctccgaancc cccacagccc atcaccctcc att 833

<210> 3  
<211> 262  
<212> PRT  
<213> Homo sapiens

<220> -  
<222> GenBank  
<223> g186653

<400> 3  
Met Trp Phe Leu Val Leu Cys Leu Ala Leu Ser Leu Gly Gly Thr  
1 5 10 15  
Gly Ala Ala Pro Pro Ile Gln Ser Arg Ile Val Gly Gly Trp Glu  
20 25 30  
Cys Glu Gln His Ser Gln Pro Trp Gln Ala Ala Leu Tyr His Phe  
35 40 45  
Ser Thr Phe Gln Cys Gly Gly Ile Leu Val His Arg Gln Trp Val  
50 55 60  
Leu Thr Ala Ala His Cys Ile Ser Asp Asn Tyr Gln Leu Trp Leu  
65 70 75  
Gly Arg His Asn Leu Phe Asp Asp Glu Asn Thr Ala Gln Phe Val  
80 85 90  
His Val Ser Glu Ser Phe Pro His Pro Gly Phe Asn Met Ser Leu  
95 100 105  
Leu Glu Asn His Thr Arg Gln Ala Asp Glu Asp Tyr Ser His Asp  
110 115 120  
Leu Met Leu Leu Arg Leu Thr Glu Pro Ala Asp Thr Ile Thr Asp  
125 130 135  
Ala Val Lys Val Val Glu Leu Pro Thr Gln Glu Pro Glu Val Gly  
140 145 150  
Ser Thr Cys Leu Ala Ser Gly Trp Gly Ser Ile Glu Pro Glu Asn  
155 160 165  
Phe Ser Phe Pro Asp Asp Leu Gln Cys Val Asp Leu Lys Ile Leu  
170 175 180  
Pro Asn Asp Glu Cys Glu Lys Ala His Val Gln Lys Val Thr Asp  
185 190 195  
Phe Met Leu Cys Val Gly His Leu Glu Gly Gly Lys Asp Thr Cys

Val Gly Asp Ser	200	Gly Gly Pro Leu Met	205	Cys Asp Gly Val Leu Gln	210
	215		220		225
Gly Val Thr Ser	230	Trp Gly Tyr Val Pro	235	Cys Gly Thr Pro Asn Lys	240
Pro Ser Val Ala	245	Val Arg Val Leu Ser	250	Tyr Val Lys Trp Ile Glu	255
Asp Thr Ile Ala	260	Glu Asn Ser			

<210> 4  
 <211> 263  
 <212> PRT  
 <213> Homo sapiens

<220> -  
 <222> GenBank  
 <223> g55527

<400> 4

Met Trp Phe Leu Ile	5	Leu Phe Leu Ala Leu	10	Phe Leu Gly Gly Ile	15
Asp Ala Ala Pro Pro	20	Val Gln Ser Arg Ile	25	Ile Gly Gly Phe Asn	30
Cys Glu Lys Asn Ser	35	Gln Pro Trp His Val	40	Ala Val Tyr Arg Phe	45
Ala Arg Tyr Gln Cys	50	Gly Gly Val Leu Leu	55	Asp Ala Asn Trp Val	60
Leu Thr Ala Ala His	65	Cys Tyr Asn Asp Lys	70	Tyr Gln Val Trp Leu	75
Gly Lys Asn Asn Arg	80	Phe Glu Asp Glu Pro	85	Ser Ala Gln His Gln	90
Leu Ile Ser Lys Ala	95	Ile Pro His Pro Gly	100	Phe Asn Met Ser Leu	105
Leu Asn Lys Asp His	110	Thr Pro His Pro Glu	115	Asp Asp Tyr Ser Asn	120
Asp Leu Met Leu Val	125	Arg Leu Lys Lys Pro	130	Ala Glu Ile Thr Asp	135
Val Val Lys Pro Ile	140	Asp Leu Pro Thr Glu	145	Glu Pro Thr Val Gly	150
Ser Arg Cys Leu Ala	155	Ser Gly Trp Gly Ser	160	Thr Thr Pro Thr Glu	165
Glu Phe Glu Tyr Ser	170	His Asp Leu Gln Cys	175	Val Tyr Leu Glu Leu	180
Leu Ser Asn Glu Val	185	Cys Ala Lys Ala His	190	Thr Glu Lys Val Thr	195
Asp Thr Met Leu Cys	200	Ala Gly Glu Met Asp	205	Gly Gly Lys Asp Thr	210
Cys Val Gly Asp Ser	215	Gly Gly Pro Leu Ile	220	Cys Asp Gly Val Leu	225
Gln Gly Ile Thr Ser	230	Trp Gly Pro Thr Pro	235	Cys Ala Leu Pro Asn	240
Val Pro Gly Ile Tyr	245	Thr Lys Leu Ile Glu	250	Tyr Arg Ser Trp Ile	255
Lys Asp Val Met Ala	260	Asn Asn Pro			